

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query     | DBs            | Default Operator | Plurals | Time Stamp       |
|-------|------|------------------|----------------|------------------|---------|------------------|
| S1    | 1    | "10597258"       | US-PGPUB;USPAT | OR               | ON      | 2009/02/10 16:59 |
| S2    | 2    | "20030169769"    | US-PGPUB;USPAT | OR               | ON      | 2009/02/10 17:07 |
| S3    | 10   | "6665313 b1"     | US-PGPUB;USPAT | OR               | ON      | 2009/02/10 17:08 |
| S4    | 1    | "20030210673 a1" | US-PGPUB;USPAT | OR               | ON      | 2009/02/10 17:08 |
| S5    | 2    | "20030235197 a1" | US-PGPUB;USPAT | OR               | ON      | 2009/02/10 17:09 |
| S6    | 2    | "20040120348 a1" | US-PGPUB;USPAT | OR               | ON      | 2009/02/10 17:09 |

|     |       |  |                              |    |    |                     |
|-----|-------|--|------------------------------|----|----|---------------------|
| S7  | 42    | WO-03071744-\$.DID. OR US-7007488-\$.DID. OR US-2003016-\$.DID. OR US-9091103-\$.DID. OR US-3121603-\$.DID. OR US-3111303-\$.DID. OR US-2003023-\$.DID. OR US-7122503-\$.DID. OR US-5566172-\$.DID. OR US-2101596-\$.DID. OR US-2005023-\$.DID. OR US-6102705-\$.DID. OR US-1050406-\$.DID. OR US-3042006-\$.DID. OR US-1052605-\$.DID. OR US-4082803-\$.DID. OR US-8011095-\$.DID. OR US-2005311-\$.DID. OR US-2005318-\$.DID. OR US-7111005-\$.DID. OR US-2006129-\$.DID. OR US-3051805-\$.DID. OR US-2006121-\$.DID. OR US-9051106-\$.DID. OR US-2005160-\$.DID. OR US-8061605-\$.DID. OR JP-70074882-\$.DID. OR JP-20053119203-\$.DID. OR JP-20053184874-\$.DID. OR JP-20061293935-\$.DID. OR JP-20061211996-\$.DID. OR JP-20051600987-\$.DID. OR US-2006009-\$.DID. OR US-6051106-\$.DID. OR US-1090105-\$.DID. OR US-6021705-\$.DID. OR US-9061203-\$.DID. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/10<br>17:18 |
| S8  | 58    | S2 S3 S4 S5 S6 S7  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/10<br>17:24 |
| S9  | 12974 | 370/216,248,254,351,389,431,473.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/10<br>17:25 |
| S10 | 5     | S8 and S9  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/10<br>17:25 |
| S11 | 13027 | S8 S9  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/10<br>17:26 |
| S12 | 4104  | ("frame check sequence" fcs checksum) same (error near4 (detection correction))  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/10<br>17:27 |

|     |       |  |                                  |    |    |                     |
|-----|-------|--|----------------------------------|----|----|---------------------|
| S13 | 1     | S10 and S12  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/10<br>17:28 |
| S14 | 172   | S11 and S12  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/10<br>17:28 |
| S15 | 16    | S2 S3 S4 S5 S6   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/10<br>17:29 |
| S16 | 1     | S12 and S15  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/10<br>17:29 |
| S17 | 34395 | (packet frame) near6 (compartment bin bucket carriage) | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/10<br>18:04 |
| S18 | 28067 | (packet frame) near4 (compartment bin bucket carriage) | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/10<br>18:04 |
| S19 | 15978 | (packet frame) near2 (compartment bin bucket carriage) | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/10<br>18:04 |
| S20 | 4062  | (packet frame) adj (compartment bin bucket carriage)   | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/10<br>18:04 |
| S21 | 2     | "20030169769"  | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/12<br>10:00 |
| S22 | 10    | "6665313 b1"   | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/12<br>10:00 |

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|-----|-------|--|------------------------------|----|----|---------------------|
| S23 | 1     | "20030210673 a1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/12<br>10:00 |
| S24 | 2     | "20030235197 a1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/12<br>10:00 |
| S25 | 2     | "20040120348 a1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/12<br>10:00 |
| S26 | 42    | WO-03071744-\$.DID. OR US-7007488-\$.DID. OR US-2003016-\$.DID. OR US-9091103-\$.DID. OR US-3121603-\$.DID. OR US-3111303-\$.DID. OR US-2003023-\$.DID. OR US-7122503-\$.DID. OR US-5566172-\$.DID. OR US-2101596-\$.DID. OR US-2005023-\$.DID. OR US-6102705-\$.DID. OR US-1050406-\$.DID. OR US-3042006-\$.DID. OR US-1052605-\$.DID. OR US-4082803-\$.DID. OR US-8011095-\$.DID. OR US-2005311-\$.DID. OR US-2005318-\$.DID. OR US-7111005-\$.DID. OR US-2006129-\$.DID. OR US-3051805-\$.DID. OR US-2006121-\$.DID. OR US-9051106-\$.DID. OR US-2005160-\$.DID. OR US-8061605-\$.DID. OR JP-70074882-\$.DID. OR JP-20053119203-\$.DID. OR JP-20053184874-\$.DID. OR JP-20061293935-\$.DID. OR JP-20061211996-\$.DID. OR JP-20051600987-\$.DID. OR US-2006009-\$.DID. OR US-6051106-\$.DID. OR US-1090105-\$.DID. OR US-6021705-\$.DID. OR US-9061203-\$.DID. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/12<br>10:00 |
| S27 | 58    | S21 S22 S23 S24 S25 S26  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/12<br>10:00 |
| S28 | 12983 | 370/216,248,254,351,389,431,473.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/12<br>10:00 |

|     |    |   |                                  |    |    |                     |
|-----|----|---|----------------------------------|----|----|---------------------|
| S29 | 5  | S27 and S28   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/12<br>10:00 |
| S30 | 4  | S29 and (("frame check sequence" fcs checksum)<br>(compartment bin bucket) ("Mac service data unit" msdu<br>"mac protocol data unit" mpdu)) | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/12<br>10:00 |
| S31 | 5  | S29 and (decompos\$5 detect\$4 separat\$4 process\$4)   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/12<br>12:17 |
| S32 | 2  | "20030169769"   | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>12:19 |
| S33 | 10 | "6665313 b1"  | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>12:19 |
| S34 | 1  | "20030210673 a1"  | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>12:19 |
| S35 | 2  | "20030235197 a1"  | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>12:19 |
| S36 | 2  | "20040120348 a1"  | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>12:19 |

|     |       |  |                              |    |    |                     |
|-----|-------|--|------------------------------|----|----|---------------------|
| S37 | 42    | WO-03071744-\$.DID. OR US-7007488-\$.DID. OR US-2003016-\$.DID. OR US-9091103-\$.DID. OR US-3121603-\$.DID. OR US-3111303-\$.DID. OR US-2003023-\$.DID. OR US-7122503-\$.DID. OR US-5566172-\$.DID. OR US-2101596-\$.DID. OR US-2005023-\$.DID. OR US-6102705-\$.DID. OR US-1050406-\$.DID. OR US-3042006-\$.DID. OR US-1052605-\$.DID. OR US-4082803-\$.DID. OR US-8011095-\$.DID. OR US-2005311-\$.DID. OR US-2005318-\$.DID. OR US-7111005-\$.DID. OR US-2006129-\$.DID. OR US-3051805-\$.DID. OR US-2006121-\$.DID. OR US-9051106-\$.DID. OR US-2005160-\$.DID. OR US-8061605-\$.DID. OR JP-70074882-\$.DID. OR JP-20053119203-\$.DID. OR JP-20053184874-\$.DID. OR JP-20061293935-\$.DID. OR JP-20061211996-\$.DID. OR JP-20051600987-\$.DID. OR US-2006009-\$.DID. OR US-6051106-\$.DID. OR US-1090105-\$.DID. OR US-6021705-\$.DID. OR US-9061203-\$.DID. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>12:19 |
| S38 | 58    | S32 S33 S34 S35 S36 S37  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>12:19 |
| S39 | 13002 | 370/216,248,254,351,389,431,473.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>12:19 |
| S40 | 13055 | S38 S39  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>12:19 |
| S41 | 13055 | S37 S40  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>12:19 |
| S43 | 227   | S41 and decompos\$4  | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>12:21 |

|     |    |  |                              |    |    |                     |
|-----|----|--|------------------------------|----|----|---------------------|
| S44 | 8  | S43 and (detect\$4 same separat\$4 same process\$4)  | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>12:22 |
| S45 | 2  | "20030169769"  | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>13:30 |
| S46 | 10 | "6665313 b1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>13:30 |
| S47 | 1  | "20030210673 a1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>13:30 |
| S48 | 2  | "20030235197 a1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>13:30 |
| S49 | 2  | "20040120348 a1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>13:30 |
| S50 | 42 | WO-03071744-\$.DID. OR US-7007488-\$.DID. OR US-2003016-\$.DID. OR US-9091103-\$.DID. OR US-3121603-\$.DID. OR US-3111303-\$.DID. OR US-2003023-\$.DID. OR US-7122503-\$.DID. OR US-5566172-\$.DID. OR US-2101596-\$.DID. OR US-2005023-\$.DID. OR US-6102705-\$.DID. OR US-1050406-\$.DID. OR US-3042006-\$.DID. OR US-1052605-\$.DID. OR US-4082803-\$.DID. OR US-8011095-\$.DID. OR US-2005311-\$.DID. OR US-2005318-\$.DID. OR US-7111005-\$.DID. OR US-2006129-\$.DID. OR US-3051805-\$.DID. OR US-2006121-\$.DID. OR US-9051106-\$.DID. OR US-2005160-\$.DID. OR US-8061605-\$.DID. OR JP-70074882-\$.DID. OR JP-20053119203-\$.DID. OR JP-20053184874-\$.DID. OR JP-20061293935-\$.DID. OR JP-20061211996-\$.DID. OR JP-20051600987-\$.DID. OR US-2006009-\$.DID. OR US-6051106-\$.DID. OR US-1090105-\$.DID. OR US-6021705-\$.DID. OR US-9061203-\$.DID. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:30 |

|     |       |  |                              |    |    |                     |
|-----|-------|--|------------------------------|----|----|---------------------|
| S51 | 58    | S45 S46 S47 S48 S49 S50  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:30 |
| S52 | 13002 | 370/216,248,254,351,389,431,473.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:30 |
| S53 | 13055 | S51 S52  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:30 |
| S54 | 13055 | S50 S53  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:30 |
| S55 | 1     | S54 and (decompos\$4 with (mac "media access control") with (bit near3 (map pattern unique)) with (packet frame cell udp pdu)) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:32 |
| S56 | 1     | S54 and (decompos\$4 with (mac "media access control") with (packet frame cell udp pdu))                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:33 |
| S57 | 1     | S54 and (decompos\$4 with (packet frame cell udp pdu) same (mac "media access control") )                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:33 |
| S58 | 1     | S54 and (decompos\$4 same (packet frame cell udp pdu) same (mac "media access control") )                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:33 |



|     |     |   |                                  |    |    |                     |
|-----|-----|---|----------------------------------|----|----|---------------------|
| S59 | 227 | S54 and (decompos\$4)   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:35 |
| S60 | 33  | S59 and ((mac "media access control") same (packet frame pdu))  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:36 |
| S61 | 28  | S59 and ((mac "media access control") with (packet frame pdu))  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:36 |
| S62 | 28  | S59 and ((mac "media access control" near3 (header preamble)) with (packet frame pdu))  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:37 |
| S63 | 1   | S59 and ((mac "media access control" near3 (header preamble)) with (packet frame pdu) with (bit near4 (map pattern unique)))                        | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:37 |
| S64 | 297 | (decapsul\$5 decompos\$5) same ((mac "media access control" near3 (header preamble)) with (packet frame pdu))                                       | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:41 |
| S65 | 1   | (decapsul\$5 decompos\$5) same ((mac "media access control" near3 (header preamble)) with (packet frame pdu) with (bit near3 (map pattern unique))) | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:42 |
| S66 | 9   | (decapsul\$5 decompos\$5) same ((mac "media access control" near3 (header preamble)) with (packet frame pdu) with bit)                              | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:42 |

|     |     |  |                              |    |    |                     |
|-----|-----|--|------------------------------|----|----|---------------------|
| S67 | 1   | (decapsul\$5 decompos\$5) same (((mac "media access control") near3 (header preamble)) with (packet frame pdu with bit)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:45 |
| S68 | 81  | (decapsul\$5 decompos\$5) same ((mac "media access control") near3 (header preamble)) with (packet frame pdu   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:45 |
| S69 | 15  | (decapsul\$5 decompos\$5) same ((mac "media access control") near3 (header preamble)) with (packet frame pdu with (detect\$4 separat\$4 process\$4)                        | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:46 |
| S70 | 25  | (decapsul\$5 decompos\$5) same ((mac "media access control") near3 (header preamble)) same (packet frame cell udp pdu) same (detect\$4 separat\$4 process\$4)              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>13:52 |
| S71 | 1   | ((decapsul\$5 decompos\$5) near5 process\$4) preprocess\$4) same (((mac "media access control") near3 (header preamble)) with sdu) same (packet frame cell udp pdu)        | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:03 |
| S72 | 1   | ((decapsul\$5 decompos\$5) near5 process\$4) preprocess\$4) same (((mac "media access control") near3 (header preamble)) with (sdu msdu)) same (packet frame cell udp pdu) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:04 |
| S73 | 0   | S51 and decapsul\$6  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:05 |
| S74 | 299 | S54 and (decapsul\$7)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:05 |

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|-----|---|---|------------------------------|----|----|---------------------|
| S75 | 1 | ((decapsul\$5 decompos\$5) same (((mac "media access control") near3 (header preamble)) with (sdu msdu)) same (packet frame cell udp pdu))      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:06 |
| S76 | 0 | (decapsul\$5 same (((mac "media access control") near3 (header preamble)) with (sdu msdu)))   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:07 |
| S77 | 0 | decapsul\$5 same ((mac "media access control") near3 (header preamble)) with (sdu msdu)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:08 |
| S78 | 2 | decapsul\$5 same msdu   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:09 |
| S79 | 4 | (decapsul\$5 decompos\$4) same msdu   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:10 |
| S81 | 2 | S78 and (decapsul\$5 decompos\$4) and (msdu bucket bin compartment)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:14 |
| S82 | 8 | (decapsul\$5 decompos\$4) same ((super\$1fram3 "super frame") ((aggregation composite) near3 (frame packet))) and (msdu bucket bin compartment) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:18 |
| S83 | 0 | (decapsul\$5 decompos\$4) same ((super\$1fram3 "super frame")) and (sdu msdu bucket bin compartment)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:20 |

|     |    |   |                              |    |    |                     |
|-----|----|---|------------------------------|----|----|---------------------|
| S84 | 3  | (decapsul\$5 decompos\$4) same ((super\$1fram3 "super frame"))  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:20 |
| S85 | 84 | (decapsul\$7 decompos\$7 disassembl\$6) same (sdu msdu)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:24 |
| S86 | 60 | (decapsul\$7 decompos\$7 disassembl\$6) with (sdu msdu)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:25 |
| S87 | 4  | (decapsul\$7 decompos\$7 disassembl\$6) with (sdu msdu) with ((mac "media access control") near4 (header preamble))       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:25 |
| S88 | 8  | (decapsul\$7 decompos\$7 disassembl\$6) same (sdu msdu) same ((mac "media access control") near4 (header preamble))       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>14:58 |
| S89 | 8  | S88 and (decapsul\$7 decompos\$7 disassembl\$6) and (sdu msdu) and ((mac "media access control") near4 (header preamble)) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/17<br>15:01 |
| S90 | 74 | non-unicast "non uni-cast"  | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>16:57 |
| S91 | 74 | non-unicast   | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>16:57 |
| S92 | 9  | non-unicast near3 address   | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>16:57 |

|      |       |  |                                  |    |    |                     |
|------|-------|--|----------------------------------|----|----|---------------------|
| S93  | 1     | "60487423"   | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>17:02 |
| S94  | 1     | S93 and non-unicast  | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>17:02 |
| S95  | 56    | ((mac "media access control") near3 (header preamble))<br>near6 ((broad\$1cast multi\$1cast) near3 address\$3)                                   | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>17:05 |
| S96  | 1     | S91 with ((mac "media access control") near3 (header preamble))  | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>17:06 |
| S97  | 5     | ((mac "media access control") near3 (header preamble))<br>near6 ((broad\$1cast multi\$1cast) near3 (destination recipient) adj address\$3)       | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>17:06 |
| S98  | 0     | ((mac "media access control") near3 (header preamble))<br>near6 ((broad\$1cast multi\$1cast) near3 address\$3) with<br>(msdu mpdu)               | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>17:09 |
| S99  | 0     | ((mac "media access control") near3 (header preamble))<br>near6 ((broad\$1cast multi\$1cast) near3 address\$3) same<br>(msdu mpdu)               | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>17:09 |
| S100 | 1     | non-unicast same msdu  | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>17:09 |
| S101 | 10    | ((mac "media access control") near3 (header preamble))<br>near4 (includes has contains) near6 ((broad\$1cast multi<br>\$1cast) near3 address\$3) | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>17:11 |
| S102 | 0     | "07645933"   | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/17<br>17:12 |
| S103 | 14727 | 370/216,248,254,351,389,431,473,474.ccls.  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:00 |

|      |    |  |                              |    |    |                     |
|------|----|--|------------------------------|----|----|---------------------|
| S104 | 2  | "20030169769"  | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/23<br>09:00 |
| S105 | 10 | "6665313 b1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/23<br>09:00 |
| S106 | 1  | "20030210673 a1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/23<br>09:00 |
| S107 | 2  | "20030235197 a1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/23<br>09:00 |
| S108 | 2  | "20040120348 a1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/02/23<br>09:00 |
| S109 | 42 | WO-03071744-\$.DID. OR US-7007488-\$.DID. OR US-2003016-\$.DID. OR US-9091103-\$.DID. OR US-3121603-\$.DID. OR US-3111303-\$.DID. OR US-2003023-\$.DID. OR US-7122503-\$.DID. OR US-5566172-\$.DID. OR US-2101596-\$.DID. OR US-2005023-\$.DID. OR US-6102705-\$.DID. OR US-1050406-\$.DID. OR US-3042006-\$.DID. OR US-1052605-\$.DID. OR US-4082803-\$.DID. OR US-8011095-\$.DID. OR US-2005311-\$.DID. OR US-2005318-\$.DID. OR US-7111005-\$.DID. OR US-2006129-\$.DID. OR US-3051805-\$.DID. OR US-2006121-\$.DID. OR US-9051106-\$.DID. OR US-2005160-\$.DID. OR US-8061605-\$.DID. OR JP-70074882-\$.DID. OR JP-20053119203-\$.DID. OR JP-20053184874-\$.DID. OR JP-20061293935-\$.DID. OR JP-20061211996-\$.DID. OR JP-20051600987-\$.DID. OR US-2006009-\$.DID. OR US-6051106-\$.DID. OR US-1090105-\$.DID. OR US-6021705-\$.DID. OR US-9061203-\$.DID. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:00 |
| S110 | 58 | S104 S105 S106 S107 S108 S109  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:00 |

|      |       |   |                                  |    |    |                     |
|------|-------|---|----------------------------------|----|----|---------------------|
| S111 | 8     | S110 and S103   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:00 |
| S112 | 14777 | S110 S103   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:01 |
| S113 | 4131  | ("frame check sequence" fcs checksum) same (error near4<br>(detection correction))  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:01 |
| S114 | 1     | S111 and S113   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:01 |
| S115 | 240   | S112 and S113   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:02 |
| S116 | 7     | S111 and ("frame check sequence" fcs checksum)<br>(compartment bin bucket) ("Mac service data unit" msdu<br>"mac protocol data unit" mpdu)) | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:04 |
| S117 | 8     | S111 and (decompos\$5 detect\$4 separat\$4 process\$4)  | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:06 |
| S118 | 274   | S112 and decompos\$4  | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/23<br>09:07 |
| S119 | 10    | S118 and (detect\$4 same separat\$4 same process\$4)  | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/02/23<br>09:07 |

|      |    |   |                              |    |    |                     |
|------|----|---|------------------------------|----|----|---------------------|
| S120 | 1  | S112 and (decompos\$4 with (mac "media access control") with (bit near3 (map pattern unique)) with (packet frame cell udp pdu)) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:09 |
| S121 | 1  | S112 and (decompos\$4 same (packet frame cell udp pdu) same (mac "media access control") )                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:10 |
| S122 | 37 | S118 and ((mac "media access control") same (packet frame pdu))   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:10 |
| S123 | 1  | S118 and ((mac "media access control" near3 (header preamble)) with (packet frame pdu) with (bit near4 (map pattern unique)))   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:11 |
| S124 | 31 | S118 and ((mac "media access control" near3 (header preamble)) with (packet frame pdu))   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/02/23<br>09:11 |
| S125 | 16 | mac same msdu same (destination recipient) near2 address near4 (\$7cast)  | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>12:14 |
| S126 | 0  | mac and msdu same (destination recipient) near2 address near4 (\$7cast) with second   | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>12:18 |
| S127 | 65 | mac same (destination recipient receiv\$4) near2 address near4 (\$7cast) with second  | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>12:18 |
| S128 | 0  | msdu same (destination recipient receiv\$4) near2 address near4 (\$7cast) with second   | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>12:19 |
| S129 | 0  | mac same (destination recipient receiv\$4) near2 address near4 (\$7cast) with second and msdu                                   | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>12:19 |



|      |      |   |                    |    |    |                     |
|------|------|---|--------------------|----|----|---------------------|
| S130 | 63   | mac with (destination recipient receiv\$4) near2 address near4 (\$7cast) with second                                  | US-PGPUB;<br>USPAT | OR | ON | 2009/11/09<br>12:19 |
| S131 | 0    | mac with (destination recipient receiv\$4) near2 address near4 (\$7cast) with second and mpdu                         | US-PGPUB;<br>USPAT | OR | ON | 2009/11/09<br>12:21 |
| S132 | 0    | (destination recipient receiv\$4) near2 address near4 (\$7cast) with second and mpdu                                  | US-PGPUB;<br>USPAT | OR | ON | 2009/11/09<br>12:21 |
| S133 | 4    | mac and msdu with (destination recipient) near2 address near4 (broadcast\$4 broad-cast\$4 multicast\$4 multi-cast\$4) | US-PGPUB;<br>USPAT | OR | ON | 2009/11/09<br>12:31 |
| S134 | 15   | mac and msdu same (destination recipient) near2 address near4 (broadcast\$4 broad-cast\$4 multicast\$4 multi-cast\$4) | US-PGPUB;<br>USPAT | OR | ON | 2009/11/09<br>12:50 |
| S135 | 16   | mac same msdu same (destination recipient) near2 address near4 (\$7cast \$7casting)                                   | US-PGPUB;<br>USPAT | OR | ON | 2009/11/09<br>13:08 |
| S136 | 17   | msdu same (destination recipient) near2 (da address) with (\$7cast \$7casting)  | US-PGPUB;<br>USPAT | OR | ON | 2009/11/09<br>13:09 |
| S137 | 17   | msdu same (((destination recipient) near2 (address)) da) with (\$7cast \$7casting)                                    | US-PGPUB;<br>USPAT | OR | ON | 2009/11/09<br>13:10 |
| S138 | 15   | msdu with (((destination recipient) near2 (address)) da) same (\$7cast \$7casting)                                    | US-PGPUB;<br>USPAT | OR | ON | 2009/11/09<br>13:12 |
| S139 | 1431 | mac with (((destination recipient) near2 (address)) da) with (\$7cast \$7casting)                                     | US-PGPUB;<br>USPAT | OR | ON | 2009/11/09<br>13:13 |
| S140 | 999  | mac near4 (((destination recipient) near2 (address)) da) near6 (\$7cast \$7casting)                                   | US-PGPUB;<br>USPAT | OR | ON | 2009/11/09<br>13:14 |

|      |       |  |                              |    |    |                     |
|------|-------|--|------------------------------|----|----|---------------------|
| S141 | 16    | mac near4 (((destination recipient) near2 (address)) da) near6 (\$7cast \$7casting) and (msdu mpdu)                        | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>13:14 |
| S142 | 5     | mac near4 (header preamble) same (((destination recipient) near2 (address)) da) near6 (\$7cast \$7casting) and (msdu mpdu) | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>14:56 |
| S143 | 16    | mac same (header preamble) same (((destination recipient) near2 (address)) da) near6 (\$7cast \$7casting) and (msdu mpdu)  | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>14:57 |
| S144 | 1     | "US 6522650 B1" and station same (\$7cast \$7casting)  | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>15:00 |
| S145 | 8     | "US 6522650 B1" and mac with (header preamble)   | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>15:10 |
| S146 | 17930 | 370/216,248,254,351,389,390,431,473,474.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/11/09<br>19:22 |
| S147 | 999   | mac near4 (((destination recipient) near2 (address)) da) near6 (\$7cast \$7casting)  | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>19:23 |
| S148 | 243   | S146 and S147  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/11/09<br>19:23 |
| S149 | 16340 | 370/216,248,254,351,389,431,473,474.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/11/09<br>19:23 |
| S150 | 3     | "20030169769"  | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>19:23 |

|      |       |  |                              |    |    |                     |
|------|-------|--|------------------------------|----|----|---------------------|
| S151 | 10    | "6665313 b1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>19:23 |
| S152 | 1     | "20030210673 a1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>19:23 |
| S153 | 2     | "20030235197 a1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>19:23 |
| S154 | 2     | "20040120348 a1"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>19:23 |
| S155 | 42    | WO-03071744-\$.DID. OR US-7007488-\$.DID. OR US-2003016-\$.DID. OR US-9091103-\$.DID. OR US-3121603-\$.DID. OR US-3111303-\$.DID. OR US-2003023-\$.DID. OR US-7122503-\$.DID. OR US-5566172-\$.DID. OR US-2101596-\$.DID. OR US-2005023-\$.DID. OR US-6102705-\$.DID. OR US-1050406-\$.DID. OR US-3042006-\$.DID. OR US-1052605-\$.DID. OR US-4082803-\$.DID. OR US-8011095-\$.DID. OR US-2005311-\$.DID. OR US-2005318-\$.DID. OR US-7111005-\$.DID. OR US-2006129-\$.DID. OR US-3051805-\$.DID. OR US-2006121-\$.DID. OR US-9051106-\$.DID. OR US-2005160-\$.DID. OR US-8061605-\$.DID. OR JP-70074882-\$.DID. OR JP-20053119203-\$.DID. OR JP-20053184874-\$.DID. OR JP-20061293935-\$.DID. OR JP-20061211996-\$.DID. OR JP-20051600987-\$.DID. OR US-2006009-\$.DID. OR US-6051106-\$.DID. OR US-1090105-\$.DID. OR US-6021705-\$.DID. OR US-9061203-\$.DID. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/11/09<br>19:23 |
| S156 | 59    | S150 S151 S152 S153 S154 S155  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/11/09<br>19:23 |
| S157 | 16391 | S156 S149  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/11/09<br>19:23 |

|      |      |   |                                  |    |    |                     |
|------|------|---|----------------------------------|----|----|---------------------|
| S158 | 301  | S157 and decompos\$4  | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>19:23 |
| S159 | 300  | S146 and S158   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/11/09<br>19:23 |
| S160 | 4532 | ("frame check sequence" fcs checksum) same (error near4<br>(detection correction))                    | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/11/09<br>19:23 |
| S161 | 269  | S157 and S160   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/11/09<br>19:23 |
| S162 | 269  | S146 and S161   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/11/09<br>19:23 |
| S163 | 65   | mac same (destination recipient receiv\$4) near2 address<br>near4 (\$7cast) with second               | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>19:24 |
| S164 | 18   | S146 and S163   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/11/09<br>19:24 |
| S165 | 16   | mac near4 (((destination recipient) near2 (address)) da<br>near6 (\$7cast \$7casting) and (msdu mpdu) | US-<br>PGPUB;<br>USPAT           | OR | ON | 2009/11/09<br>19:24 |
| S166 | 6    | S146 and S165   | US-<br>PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/11/09<br>19:24 |

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